AMENDMENTS TO THE CLAIMS:

This listing of claims will replace, without prejudice, all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Original) A method for operating an internal combustion engine having a fuel pump with a drive shaft, the fuel pump conveying fuel into at least one fuel-collection line, the fuel being subsequently conveyed to at least one combustion chamber via at least one fuel-injection device, the method comprising:

setting, by means of a valve device, a quantity of the fuel conveyed by the fuel pump into the fuel-collection line;

wherein the valve device is configured to selectively connect a discharge side of the fuel pump to a low-pressure region of the fuel pump, and wherein the valve device is configured to selectively disconnect the discharge side from the low-pressure region, and wherein, in supplying the quantity of fuel, a supply rate, defined as the number of supply phases of the fuel pump per rotation of the drive shaft, is determined as a function of at least one operating parameter of the internal combustion engine.

- 2. (Original) The method as recited in claim 1, wherein the supply rate is a function of at least one of an operating temperature of the internal combustion engine, a fuel quantity to be injected, and a rotational speed of the internal combustion engine.
- 3. (Original) The method as recited in claim 1, further comprising:
- (a) ascertaining at least one of an interval between a first supply phase of a new supply-rate interval and a last supply phase of a preceding supply-rate interval, wherein a supply-rate interval is defined as a supply interval having a specific supply rate, and a duration of the first supply phase of the new supply-rate interval; and
 - (b) changing the supply rate.
- 4. (Original) The method as recited in claim 3, wherein the middle of the last supply phase of the preceding supply-rate interval is spaced apart from the middle of the first supply phase of the new supply-rate interval by at least approximately a waiting angle W of a crankshaft of the internal combustion engine, wherein W is calculated according to the formula:

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W = 720 *((X + Y)/(2XY)),
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and wherein X is the supply rate before switching and Y = the supply rate after switching.

- 5. (Original) The method as recited in claim 4, wherein a change in the supply rate is allowed only when a supply phase is permitted at an angular position of the crankshaft that corresponds to a sum of the instantaneous angular position of the crankshaft and the waiting angle W.
- 6. (Currently Amended) A computer program stored on a computer readable medium and containing a plurality of computer-executable program codes for performing, when executed on a computer, a method for controlling an internal combustion engine having a fuel pump with a drive shaft, the fuel pump conveying fuel into at least one fuel-collection line, the fuel being subsequently conveyed to at least one combustion chamber via at least one fuel-injection device, the method comprising:

setting, by means of a valve device, a quantity of the fuel conveyed by the fuel pump into the fuel-collection line;

wherein the valve device is configured to selectively connect a discharge side of the fuel pump to a low-pressure region of the fuel pump, and wherein the valve device is configured to selectively disconnect the discharge side from the low-pressure region, and wherein, in supplying the quantity of fuel, a supply rate, defined as the number of supply phases of the fuel pump per rotation of the drive shaft, is determined as a function of at least one operating parameter of the internal combustion engine.

- 7. (Original) The computer program according to claim 6, wherein the method for controlling the internal combustion engine further comprises:
- (a) ascertaining at least one of an interval between a first supply phase of a new supply-rate interval and a last supply phase of a preceding supply-rate interval, wherein a supply-rate interval is defined as a supply interval having a specific supply rate, and a duration of the first supply phase of the new supply-rate interval; and
 - (b) changing the supply rate.
- 8. (Original) The computer program according to claim 7, wherein, in the method for controlling the internal combustion engine, the middle of the last supply phase of the preceding supply-rate interval is spaced apart from the middle of the first supply phase of the new supply-rate interval

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by at least approximately a waiting angle W of a crankshaft of the internal combustion engine, wherein W is calculated according to the formula:

$$W = 720 *((X + Y)/(2XY)),$$

and wherein X is the supply rate before switching and Y = the supply rate after switching.

9. (Original) A computer-readable storage medium for storing a computer program containing a plurality of computer-executable program codes for performing, when executed on a computer, a method for controlling an internal combustion engine having a fuel pump with a drive shaft, the fuel pump conveying fuel into at least one fuel-collection line, the fuel being subsequently conveyed to at least one combustion chamber via at least one fuel-injection device, the method comprising:

setting, by means of a valve device, a quantity of the fuel conveyed by the fuel pump into the fuel-collection line;

wherein the valve device is configured to selectively connect a discharge side of the fuel pump to a low-pressure region of the fuel pump, and wherein the valve device is configured to selectively disconnect the discharge side from the low-pressure region, and wherein, in supplying the quantity of fuel, a supply rate, defined as the number of supply phases of the fuel pump per rotation of the drive shaft, is determined as a function of at least one operating parameter of the internal combustion engine.

- 10. (Original) The computer-readable storage medium according to claim 9, wherein the method for controlling the internal combustion engine further comprises:
- (a) ascertaining at least one of an interval between a first supply phase of a new supply-rate interval and a last supply phase of a preceding supply-rate interval, wherein a supply-rate interval is defined as a supply interval having a specific supply rate, and a duration of the first supply phase of the new supply-rate interval; and
 - (b) changing the supply rate.
- 11. (Original) The computer-readable storage medium according to claim 10, wherein, in the method for controlling the internal combustion engine, the middle of the last supply phase of the preceding supply-rate interval is spaced apart from the middle of the first supply phase of the new supply-rate interval by at least approximately a waiting angle W of a crankshaft of the internal combustion engine, wherein W is calculated according to the formula:

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$$W = 720 *((X + Y)/(2XY)),$$

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and wherein X is the supply rate before switching and Y = the supply rate after switching.

12. (Original) A control device for an internal combustion engine having a fuel pump with a drive shaft, the fuel pump conveying fuel into at least one fuel-collection line, the fuel being subsequently conveyed to at least one combustion chamber via at least one fuel-injection device, comprising:

an arrangement for setting, by means of a valve device, a quantity of the fuel conveyed by the fuel pump into the fuel-collection line;

wherein the valve device is configured to selectively connect a discharge side of the fuel pump to a low-pressure region of the fuel pump, and wherein the valve device is configured to selectively disconnect the discharge side from the low-pressure region, and wherein, in supplying the quantity of fuel, a supply rate, defined as the number of supply phases of the fuel pump per rotation of the drive shaft, is determined as a function of at least one operating parameter of the internal combustion engine.

- 13. (Original) The control device as recited in claim 12, wherein the supply rate is determined as a function of at least one of an operating temperature of the internal combustion engine, a fuel quantity to be injected, and a rotational speed of the internal combustion engine.
- 14. (Original) The control device as recited in claim 12, further comprising:
- (a) an arrangement for ascertaining at least one of an interval between a first supply phase of a new supply-rate interval and a last supply phase of a preceding supply-rate interval, wherein a supply-rate interval is defined as a supply interval having a specific supply rate, and a duration of the first supply phase of the new supply-rate interval; and
 - (b) an arrangement for changing the supply rate.
- 15. (Original) The control device as recited in claim 14, wherein the middle of the last supply phase of the preceding supply-rate interval is spaced apart from the middle of the first supply phase of the new supply-rate interval by at least approximately a waiting angle W of a crankshaft of the internal combustion engine, wherein W is calculated according to the formula:

$$W = 720 *((X + Y)/(2XY)),$$

and wherein X is the supply rate before switching and Y = the supply rate after switching.

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16. (Original) The control device as recited in claim 15, wherein a change in the supply rate is allowed only when a supply phase is permitted at an angular position of the crankshaft that corresponds to a sum of the instantaneous angular position of the crankshaft and the waiting angle W.

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